

Working Agenda

APS SCIENTIFIC ADVISORY COMMITTEE MEETING

January 25-27, 2005

Advanced Photon Source, Argonne National Laboratory

Tuesday, January 25, 2005 – Bldg. 401, Room A5000

- 8:00 a.m.** **Welcome, Overview of the Meeting, APS Update, APS Vision – *M. Gibson***
- 10:00** **Break**
- 10:15** **Cross-cut Review 2004: Recap**
 Cross-cut Review 2005: Assignments
 Cross-cut Review 2006: Topic?
- 11:00** **Discussion/Review of Sector Review Panel Reports, Responses, and Recommendations**
 UNI-CAT, Sector 33 –*Paul Percy*
 UNI-CAT, Sector 34 –*Paul Percy*
- 12:00 noon** **Buffet Lunch with APS Management**
- 1:00 p.m.** **Sector Reviews (cont'd.)**
 XOR, Sector 1 –*Denis McWhan*
 XOR, Sector 2 –*Jo Stohr*
 XOR, Sector 3 –*Mike Rowe*
 XOR, Sector 4 –*Kathy Taylor*
- 3:00** **Break**
- 3:15** **Sector Reviews (cont'd.)**
 MHATT, Sector 7 –*Jim Norris*
 SGX-CAT, Sector 31 –*John Helliwell*
 Bio-CAT, Sector 18 –*Peter Ingram*
- 4:45** **Issues from last SAC meeting**
 [*Sectors 9, 10*]
- 5:45** **Adjourn**
- 7:00** **Dinner at Argonne Guest House**
 SAC members and APS senior management

Wednesday, January 26, 2005 – Bldg. 402 Auditorium; 8:00 a.m.–12:30 p.m.

Cross-cut Review: Science Requiring the Pulsed Structure of the APS X-ray Beam
James Norris, Chair

- 8:00 a.m.** **Welcome and Charge to the Review Committee** – *J. Murray Gibson*
- 8:15** **Overview of Current Capabilities** – *J. Murray Gibson*
- 9:00** **Photoreceptors, Oxygen and Redox Sensors, and Protein Dynamics** – *J. Keith Moffat*
- 9:25** **The APS Time Structure and its Impact on Nuclear Resonant Spectroscopy** – *Ercan Alp*
- 9:50** **Break**
- 10:05** **Ultrafast Laser-Matter Interactions** – *David Reis*
- 10:30** **X-raying Atoms and Molecules in Strong Optical Fields** – *Linda Young*
- 10:55** **Probing Transient Molecular Structures in Photochemical Processes using Laser-initiated Time-Resolved X-ray Absorption Spectroscopy** – *Lin Chen*
- 11:20** **Applications of the High-efficiency Time-resolved XAFS Facility at PNC-CAT** – *Steve Heald*
- 11:45** **What's Ahead?** – *Michael Borland*
- 12:30 p.m.** **Adjourn**

Wednesday, January 26, 2005 – Bldg. 401, Room A5000; 12:30–5:30 p.m.

12:30 p.m. Working Lunch and Review Discussion

2:00 APS Strategic Planning Process/ Strategic Plan Presentation – *Murray Gibson*

2:45 XOR Strategic Plan Presentation – *Gabrielle Long*

3:15 Strategic Issues Discussion

- Feedback/endorsement (if possible) on both the APS and XOR Strategic Plans
- Identify priorities; which items belong first?
- What should be the next steps for the APS?

5:00 Adjourn

7:00 Dinner at Argonne Guest House
SAC Members and APS senior management

Thursday, January 27, 2005 – Bldg. 401, Room A5000

8:30 a.m. General User Program Review – Keith Brister

8:45 User Access Programs: General and Partner User Programs – Dennis Mills

9:30 Discussion of Specific Issues

- Does our combined PUP/GUP model offer the spectrum of access to beam time needed for the APS to flourish scientifically? If not, where are modifications required?
- What specific recommendations can be made to improve and strengthen our Partner User Program?
 - Acceptance criteria for Partner User proposals
 - Disposition of equipment developed under PUP beam time
- Policy changes (close-out reports and equipment developed as a result of PUP time)

10:30 Letter of Intent for a new Collaborative Development Team

11:15 Wrap-up – Sector Review Calendar for 2005

11:30 Box lunches/Adjourn